

Grevillea,

A MONTHLY RECORD OF CRYPTOGAMIC BOTANY,
AND ITS LITERATURE.

BRITISH FUNGI.

By M. C. COOKE.

(Continued from p. 116.)

ASCOMYCETES.

Peziza (Humaria) hinnulea. *B. & Br.* "Brown Humaria."

Cup sessile, flexuose, marginate, bay-brown, between fleshy and waxy; sporidia globose, even with a large globose nucleus.—*B. & Br. Ann. N. H., No. 1320.**

On soil amongst grass. Powerscourt. Sept.

Sporidia ($\cdot 0006$ in.) $\cdot 015$ m.m. diameter.

Peziza (Humaria) schizospora. *Phillips.* "Phillips' Humaria."

Gregarious, sessile, urceolate then plane, red, becoming brown, externally pruinose; sporidia spherical, smooth, with a large nucleus, paraphyses filled with orange granules, clavate at the tips.—*Phillips in litt.*

On burnt or sandy ground. Shrewsbury. (W. Phillips.)

Sporidia ($\cdot 0004$ in.) $\cdot 01$ m.m. diameter, containing a single large nucleus, which escapes by rupture of the epispore.

Allied to *P. Wrightii*.—*B. & Br.*

Peziza (Humaria) subhirsuta var. macrocystis.

Gregarious or scattered, cup shaped then flattened; margin entire, slightly elevated, externally brownish, smooth, or minutely granular; disc orange-red; asci cylindrical; sporidia elliptical, narrow; paraphyses clavate, filled with orange granules.

On burnt soil. Shrewsbury. (W. Phillips.)

The external cells of the cup are very large: cups 1-2 lines broad, sporidia $\cdot 0009 \times \cdot 0005$ in.

Peziza (Dasyscypha) citricolor. *B. & Br.* "Lemon-coloured Peziza."

Cups very shortly stipitate or sessile, between fleshy and waxy, turbinate, finely tomentose, lemon-coloured; sporidia fusiform, with

oleaginous granules; paraphyses linear.—*B. & Br. Ann. N. H.*, No. 1321, t. xix. f. 14.

On rotten wood. March.

Cups $\cdot 0009$ in., sporidia ($\cdot 0008$ - $\cdot 001 \times \cdot 0002$ - $\cdot 00025$ in.) $\cdot 02$ - $\cdot 025 \times \cdot 005$ - $\cdot 006$ m.m. Asci ($\cdot 0035$ - $\cdot 004$ in.) $\cdot 085$ - $\cdot 1$ m.m. long.

Peziza (*Dasyscypha*) *stereicola*. *Cooke*. "Rose-pink Peziza."

Gregarious, minute; cups globose, then cup-shaped, between fleshy and waxy, externally woolly, of a delicate rosy-pink when dry; disc of the same colour; asci subclavate; sporidia minute, cylindrical, obtuse.

On the hymenium of *Stereum*. Scotland. (*Herb. Edin.*)

Sporidia ($\cdot 00025 \times \cdot 00005$ in.) $\cdot 007 \times \cdot 0015$ m.m.

Peziza (*Dasyscypha*) *candidata*. *Cooke*. "White Bramble Peziza."

Snowy white, sessile, soft, scattered or subgregarious, soon flattened; margin often lobed and irregular, slightly elevated, externally clothed with soft tomentose hairs; asci subclavate; sporidia minute, cylindrical, obtuse, hyaline.

On stems of *Rubus*. Highgate.

Sporidia ($\cdot 00025 \times \cdot 00005$ in.) $\cdot 007 \times \cdot 0015$ m.m.

Peziza (*Dasyscypha*) *escharodes*. *B. & Br.* "Grey Bramble Peziza."

Cups sessile, rugose, rough with short whitish flocci, dingy olivaceous-green; margin pallid, fringed with delicate flocci; hymenium cinereous; sporidia fusiform, sometimes binucleate.—*B. & Br. Ann. N. H.*, No. 1322, t. xix, f. 15. *Cooke exs. No. 564*.

On *Rubus fruticosus*. Feb.

Sporidia ($\cdot 0004$ in.) $\cdot 01$ m.m. long. Cup at first closed, globose, $\cdot 03$ in. diameter, quite black when the hairs have vanished.

Peziza (*Hymenoscypha*) *amentifera*. *Batsch*. "Catkin Peziza."

Delicate, whitish; cups scattered, slightly convex, with the margin inflexed, watery, pellucid, at length brownish; stem short, thickened upwards; sporidia obovate.—*Batsch. El. f. 148. Fr. Sys. Myc. ii. 127. B. & Br. Ann. N. H.*, No. 1323, t. xix. f. 16. *Fckl. exs. No. 1159*.

On female catkins of *Abele*. March.

Sporidia ($\cdot 0004 \times \cdot 0002$ in.) $\cdot 01 \times \cdot 005$ m.m.

Peziza (*Mollisia*) *elaphines*. *B. & Br.* "Granular Peziza."

Cups subglobose, pale fawn-colour; mouth paler, white, sprinkled with saccharine granules; hymenium watery-grey; sporidia fusiform, hyaline, smooth, uniseriate.—*B. & Br. Ann. N. H.*, No. 1325, t. xix. f. 18.

On dead wood. Jan.

Granules often disposed in lines so that the cups are radiated. Asci $\cdot 0015$ in. long; sporidia fusiform ($\cdot 00035$ - $\cdot 0004$ in.) 0085 - $\cdot 01$ m.m. long.

Peziza (*Mollisia*) *aquosa*. *B. & Br.* "Watery Peziza."

Cups at first closed, then expanded, plane, or slightly concave, greenish-brown, smooth; disc watery-grey; sporidia biseriate, ovate, apiculate.—*Berk. & Br. Ann. Nat. Hist.*, No. 1326, t. xx. f. 19.

On or with *Sphæria hirsuta* on willow. Jan.

Resembling *P. cinerea*, but smoother and more concave when young, with totally different fruit. Cup $\cdot 024$ in. diameter, growing on *Sphæria hirsuta* and its mycelium, accompanied by a brown mould, consisting of erect, simple, articulated threads, surmounted by a single oblong, uniseptate spore $\cdot 0005$ in. long; asci ($\cdot 002$ in.) $\cdot 05$ m.m. long; sporidia ($\cdot 0002$ - $\cdot 00025 \times \cdot 0001$ - $\cdot 00015$ in.) $\cdot 005$ - $\cdot 006 \times \cdot 0025$ - $\cdot 0035$ m.m., bright orange when treated with iodine.

Peziza (Mollisia) hydnicola. *B. & Br.* "Green Parasitic Peziza."

Cups orbicular, then irregular, plane, dark green; asci cylindrical; sporidia subglobose, uniseriate; paraphyses branched. *Berk. & Br., Ann. Nat. Hist., No. 1327, t. xx. f. 20.*

On *Hydnum ochraceum*.

Sporidia ($\cdot 0004 \times \cdot 0003$ in.) $\cdot 01 \times \cdot 0075$ m.m. Conidia ($\cdot 0001$ — $\cdot 00015$ in.), $\cdot 0025 \times \cdot 0035$ m.m. long.

Peziza (Mollisia) flaveola. *Cooke.* "Yellow Fern Peziza."

Sessile, minute, bright yellow, submembranaceous; soft, soon becoming discoid, smooth, even. Asci cylindrical.

On fronds of *Pteris aquilina*. Sept. King's Lynn. (C. B. Plowright.)

A very pretty little species, but apparently very scarce, and the specimen found was not sufficiently matured for a perfect description.

Peziza (Mollisia) Typhæ. *Cooke.* "Bulrush Peziza."

Gregarious or scattered, minute, erumpent, sessile, black, soft or waxy, soon plane, laterally compressed when dry; disc fuliginous, black when dry, minutely papillate, even; asci cylindrical, sporidia fusiform, hyaline simple. *Cooke, Exs., No. 570.*

On leaves of *Typha*. King's Lynn. (C. B. Plowright.) Oct.

Sporidia ($\cdot 0004$ - $\cdot 0005 \times \cdot 0001$ in.), $\cdot 012$ - $\cdot 014 \times \cdot 0025$ - $\cdot 003$ m.m., twice as long as in *Peziza atrata*, to which this plant has great external resemblance.

Peziza (Mollisia) Plantaginis. *Fckl.* "Plantain Leaf Peziza."

Cups seated on a pallid spot, sessile, gregarious, minute, punctiform, at first closed, globose, at length open, externally clad with a blackish meal; margine involute, disc concave, pallid-brown; asci elliptic-oblong, sporidia biseriate, elongated-lanceolate, straight. *Fckl. Sym. Myc., 294. Peziza atrata forma foliicola, Desm. Exs.*

On leaves of *Plantago lanceolata*. King's Lynn. (C. B. Plowright.)

Sporidia ($\cdot 0005 \times \cdot 00015$ in.), $\cdot 016 \times \cdot 004$ m.m.

Peziza (Mollisia) incarnata. *Cooke.* "Rosy fir-leaf Peziza."

Scattered, minute, roseate, sessile, cups soon expanded, nearly plane, externally paler; asci cylindrical, sporidia linear, obtuse, hyaline.

On pine leaves. Scotland. (A. Jerdon.)

Sporidia ($\cdot 0004 \times \cdot 00005$ in.), $\cdot 01 \times \cdot 0015$ m.m.

Peziza (Patellea) artemisiæ. *Lasch.* "Mugwort Peziza."

Erumpent, thin, almost stipitate; cups at first top-shaped, then

flattened, somewhat rounded, naked, brownish-black; disc whitish; margin incurved. Asci cylindrical; sporidia linear, minute, hyaline.—*Lasch. in Rabh. Herb. Myc. No. 335.*

On stems of *Artemisia vulgaris*. Isle of Wight.

Peziza (Patellea) amphibola. *Nyl.* "Lichenoid Peziza."

Cups black, somewhat rugulose, becoming plane, delicately marginate, or at length rather convex and immarginate; asci clavato-cylindrical; sporidia fusiform, 3-5 septate; paraphyses slender, simple or branched, slightly incrassated at the tips.—*Nyl. Obs. p. 66. Hepp. Flecht. Eur. No. 711. Karsten Mon. Pez. 168.*

On bark of *Pinus sylvestris*. (Dr. Holl and W. Phillips.)

Sporidia ($\cdot 0005\text{-}\cdot 0007 \times \cdot 0001\text{-}\cdot 00015$ in.) $\cdot 014\text{-}\cdot 02 \times 003\text{-}004$ m.m.

Ascobolus (Ryparobius) Cookei. *Boud.* "Cooke's Ascobolus."

Much crowded, rarely scattered, very minute, externally brown, hemispherical; disc pallid, tawny, marginate; asci broad, short, somewhat attenuated at the base; sporidia 64, oblong-ovate, minute, hyaline; paraphyses few, septate, slightly incrassated.—*Boud. Mon. Asc. p. 48, t. 9, f. 24. Ascobolus Cookei, Crouan Flor. Finist. p. 56. Ascobolus myriadeus, Karst. Syn. Pez. & Asc. fide Nyl.*

On dung (cow, rabbit, &c.). Herefordshire. (J. Renny.) Near London. (M. C. C.) Near Bath. (C. E. B.)

Ascobolus (Ascophanus) aurora. *Crouan.* "Glowing Ascobolus."

Scattered, minute, orange-red, shining, flattened; disc plane, or convex when old, distinctly papillate; asci clavate, octosporous; sporidia ovate, small, even; paraphyses orange, slender, simple, bifid, or trifid, curved.—*Crouan Ann. des Sci. Nat. ser. 5, x. t. 11, f. 36. Berk. & Br. Ann. Nat. Hist., No. 1329. Boud. Mon. Asc. p. 58, t. 11, f. 36.*

On cow dung. Feb.

Sporidia ($\cdot 00015\text{-}\cdot 0003$ in.) $\cdot 0035\text{-}007$ m.m.

Stictis graminum. *Desm.* "Grass Stictis."

Orbicular, scattered, small, deeply excavated; disc black; margin prominent, clad with a white meal, nearly entire; asci elongated; sporidia [very minute, globose].—*Desm. Pl. Crypt. Exs. No. 1071. Ann. des Sci. Nat. (1840) xiii. 185. Berk. & Br. Ann. Nat. Hist., No. 1328. Fckl. Exs. No. 1106. Fckl. Sym. Myc. p. 250.*

On *Carex paniculata*. June.

Desmazieres describes the sporidia as "very minute, globose." Fuckel as "filiform, as long as the ascus." Not having seen the British plant, we cannot determine the form of the sporidia.

Patellaria constipata. *Blox.* Handbook No. 2176.

This appears from comparison of authentic specimens of both to be only *Patellaria livida*, B. & Br., with the sporidia more fully matured.